


Appl. No. 09/781,786
Amdt. dated July 9, 2003
Reply to Office action of April 11, 2003

Amendments to the Specification:

Please replace the paragraph beginning at page 3, line 1, with the following rewritten paragraph:



In this regard, attention is directed to U.S. Patent No. 5,082,476, issued to B.E. Kalbaugh et al on Jan. 21, 1992, and U.S. Patent No. 5,275,743, issued, to J.D. ~~Miller~~ Miller et al, both of which patents teach more recent arrangements of immediate filter media layering. Attentions is further directed to U.S. Patent No. 4,661,255 and also as set forth in above U.S. Patent No. 5,968,373, issued to G. Aumann et al. on April 28, 1987, and to U.S. Patent No. 4,732,675, issued to A. Badolato et al on March 22, 1988, both of which patents teach multi-layered filter media of varying density but which also fail to recognize the inventive features set forth herein, let alone provide a unique apparatus and method to accomplish the novel arrangement herein described. Further, attention is directed to the additional patents made of record in the above U.S. patent No. 5,968,373, which teach additional filter media arrangements but which failed to anticipate the invention of U.S. patent No. 5,968,373 and which also fail to anticipate the novel filter media arrangement set forth herein. These additional patents are: U.S. Patents No. 4,322,385, issued to G. W. Goetz on March 30, 1982; No. 4,589,983, issued to R.M. Wydeven on May 20, 1986; and, No. 5,858,045, issued to M.J. Stemmer et al on January 12, 1999.

Please replace the paragraph beginning at page 7, line 7, with the following rewritten paragraph:

Figure 1B discloses a variation in the fiber mixer-blender section of Figure 1A utilizing a single in-line endless belt under spaced aligned the mixer-blenders to provide integral filter media;

Please insert the following paragraph before the paragraph beginning at page 15, line 14:

When a designer is developing a multi-layer filter media, the designer initially chooses a desired overall average pore size for the combined layers. By using the formulas for average pore size (equation 5) and air frazier permeability (equation 6), the designer can determine or calculate the average pore size for the individual layers necessary to produce the multi-layer filter media having the desired overall average pore size. The fibers for the different layers can then be chosen, and the fibers can be processed and bonded to form the different layers to have the determined or calculated average pore size for the different layers. Thus, when the different layers are arranged as face-to-face thicknesses, the combined layers (or the multi-layer filter media) will have an overall average pore size which substantially approximates the desired overall average pore size. This eliminates a substantial amount of experimentation which would otherwise be needed by the designer to develop a multi-layer filter media which has a desired overall average pore size.